

Biological Factors in Ethyl Poisoning Predisposing <sup>52</sup>  
to Mental Disturbances, by A. Soulaire, 12 pp.  
FRENCH, par. Facteurs biologiques predisposent aux  
troubles mentaux par intoxication ethylique.  
1965.  
Dept of Navy/AMS 1232

*A. Soulaire*

Sci/b & A  
Mar 68

349,850

The Vertical Takeoff and Landing Transport  
Plane (VTOL) (Today's Dream or Tomorrow's  
Reality), by J. Soulez-Lariviere. 22 pp.  
GOVERNMENT USE ONLY

FRANCE, per, Leure, 1969, pp 76-84.  
JASA TT F-13053

J. Soulez-Lariviere  
sci/aeronautics  
sept 70

Applications of Rocket-Pan Propellers  
in the Trois Forces, by J. Soulez-Lariviere, 72  
22 pp.

PARISI, 1907, L'Annuaire des Helicos  
Carreces sous L'Arc de Terre, Expose  
du Groupe Consultatif Terre de L'  
J.T. 1907, 10 Jan 1908, pp 1-21. P100130.100  
AT-11-66-275

J. Soulez-LARIVIERE

Sci - Tech, Industrial, Civil &  
Marine Infr  
doc 17

317,065

130  
Abidjan Institute of Tropical Ecology Described,  
by J. Soulie, 5 pp.  
FRENCH, per, Bulletin d'Information et de  
Liaison, No 1, 1968, pp 46-50.  
JPRS 46,357

sci./inc  
Sept 68

366,601

*J. Soulie*

17  
Pattern of Marxist Influence in Near East  
Described, by G. J., L. Soule, 15 pp.  
FRENCH, per. L'Afrique et l'Asie, Paris,  
4th Quarter 1967, pp 14-28.  
JPRS 47,155

*L. Soule*

Inter-Arab  
Pol  
Jan 69

372,421

THE CIVIL Engineering of Nuclear Power Plants of  
the Type With Natural Uranium-Graphite-Carbon  
Dioxide, by L. Soulier. 79  
FRENCH, per. La Technique Moderne, Vol 57, No 7,  
Jul 1965, pp 343-344.      9231812  
ABC ORNL-tr-1230

*L. Soulier*

Sci/Nuclear Sci  
Aug 66

306,276

*A. Doullier*

results of major basic investigations on jet interactions. Distribution of pressures around the jet orifice, by A. Doullier. 37 pp.

Resultat, rt, de la S.I.A.A. pour recherches de base sur les interactions de jet. Repartition des pressions autour de l'orifice du jet.

Office National d'Etudes et de Recherches Aeronautiques, Chatillon, doc no. 1/253-IV-Pt-1/5, Apr 1968, 37 pp.

NASA TT 14,068

3, p 76

*A Soullier*

testing at 11. M for basic investigations on jet interactions: Distribution of pressures and velocities in the jet using the ideal standard nozzle (in unheated state), by A. Soullier. 72 pp.

FRANCO, rpt, Essais a vitesse sup recherche de base sur les interactions de jet. Repartitions des pressions et des vitesses de jet type ideale  
(A froid).

Office National d'Etudes et de Recherches Aeronautiques,  
Oranien, Doc. no 1/353-31-Pt-2/5, Sep 1968, 72 pp.  
DDP TP 14,973

q. p. 72

15  
Previously Unpublished Correspondence among  
Leaders of the Rebellion, by Gaston Soumialot,  
10 pp.  
FRENCH, per, Le Courrier Africain, No. 61, 18  
Feb 1967, pp. 25-32.  
JPBS 40443

GASTON SOUMIALOT

Africa  
Pol  
Apr 67

321,412

Financial and Economic Relations Within  
Economic Production Units, by Stanislav  
Sourek, 12 pp. GOVERNMENT USE ONLY  
CZECH, per, Finance a uver, Vol XVI, No 8,  
Aug 1966, pp 459-467.  
JPBS GUO 2216

Stanislav Sourek

EE - Czechoslovakia  
Econ  
Nov 66

313,719

New Tax System Adopted for Industry, Trade,  
by Stanislav Sourek, 14 pp.

GOVERNMENT USE ONLY

CZECH, per. Finance a Uver, Prague, No 11,  
Nov 1969, pp 593-604.

JPRS/L 3255

*Stanislav Sourek*

EE-Czech

Leon

Jan 70

399,450

Distribution of the Gross Income and Profit,  
by Stanislav Sourek, 16 pp. GOVERNMENT USE  
ONLY

CZECHOSLOVAKIAN, per, Finance a Jaz, No 7,  
Jul 1965, pp 395-400.  
JPRS UFG 862

no - Czechoslovakia

Seen

Rep 65

287,791

67

The Development of Non-Magnetic Steels  
For Specialized Applications, by H. Kohl and H.  
Lauritzen.

GERMAN, *see* Handbook of Steel, vol 111,  
Nov 1966, pp. 301-311.  
NIAI 5517

*H. Lauritzen*

scj/mst  
Sep 67

138,203

*M. Soustak*

Evaluation of the Technology of Teaming Under  
Briquettes, by M. Soustak,  
CZECH, per. Hutnik, Vol. 21, No 2, 1971,  
pp 56-58.  
BISI 9335

Apr 72

75  
175  
The Evolution of the Paraguayan Communist Party.  
by Manuel de Souza, 6 pp.  
SPANISH, per, Este y Oeste, June 1967, pp. 1-5.  
JPRS 42099

*MANUEL DE SOUZA*

LA-Paraguay  
Pol  
Sept 67

339,093

Dynamic Geodesy. Determination of the Figure  
of the Earth by Gravimetric Methods, by  
J.N.V.M. Sousa Afonso, 139 pp.

GOVERNMENT USE ONLY

PORTUGUESE, Cadernos tecnicos e de informacao,  
(Technical and informational brochures)

No 16, Instituto Geografico e Cadastral, Lisboa  
Portugal.

ACIC-TC-1704

*J.N.V.M. Sousa Afonso*

Jul 71

A Senator with No Issues, by Jose Maria de  
Souza, 6 pp.  
FORGOTTEN, 19, JOURNAL OF ENGLAND, 6-7 Aug 1967,  
p. 6.  
JWS 42504

45

*Jose Maria de Souza*

LA-Enoch  
Egan  
Oct 67

312,607

**Radiocardiography and Pulmonary Radiocircu-  
lography with Serum Labeled with I(131)  
Albumin in Cardiac Disease, by I. Sova,  
V. Kzhak.**

**RUSSIAN per, Terapevticheski Arkhiv, Vol 37,  
No 2, 1965, pp 31-41.  
SLA TT-65-64519**

*I. Sova*

**Sci-BM  
Jul 66**

**307,584**

Automation in Warehouses, by Oldrich Sova,  
6 pp.  
COMBIBENT USE ONLY  
CZECH, per, Pracovník Noviny, No 35,  
Sept 1965, p. 8.  
JPRS 000 955

*Oldrich Sova*

EE-Czechoslovakia  
Econ  
Nov 65

292,251

19  
Conducting the Practice Drill, by  
Sandor Sovago, 12 pp.  
HUNGARIAN, per, Falgari Vedelen, No 7,  
July 1965, pp 19.  
DIALLS 221-65

*Sandor Sovago*

Hungarian/41/EEur  
Jan 66

394,190

67  
**Principal Operational Requirements for the Control of Interconnected Power Flows and Principles of Control - Part 1-3, by M. D. Roshkin, S. A. Sovalov.**

**RUSIAN, bk, Automatic Control of Power Flows in Interconnected Lines, 1965, pp 43-66, 66-83, 83-97.**

**CRS/C.S. Trans 4996B**

*S. A. Sovalov*

**Sol-Sher Con  
Doc 69**

**38,155**

98  
The Development of the Power Systems of the USSR,  
by S. S. Koshlyuk, S. A. Suvorov, 17 pp.  
RUSSIAN, per, Elektricheskaya Energiya, No 11,  
1967, pp 21-38.  
JPRS 43996

Sci-Energy Cent  
Feb 68

348,933

77

Operating Conditions for 400-500kv Electric  
Power Transmission in the EES, by S. A. Sovalov,  
303 pages.

RUSSIAN, bk, Rezhimy Elektroperedach 400-500kv,  
1967.

\*CFSTI TT 69-55037

S. A. Sovalov

Sci-tlec  
Feb 69

Turbulent Boundary Layer on a Permeable  
Surface, by V. D. Sovershenyi, 8 pp.  
RUSSIAN, per, Iz Ak Nauk SSSR, Tekh  
Zhik i Ozn, No 3, 1966, pp 42-51.  
CIA/FID X-6064

V. D Sovershenyi

sci - Phys

Jan 67

FOR OFFICIAL USE ONLY

317,600

Multicomponent Turbulent Boundary Layer on Chemically Active Surface, by V. D. Severnitskiy. <sup>142</sup>  
RUSSIAN, per. AN SSSR, Izvestiya, Mekhanika  
Zhidkosti i Gaza, No 1, 1968, pp 47-55.  
\*FTD-HT-23-1001-68

Sol-Phys  
Oct 68

V. D. Severnitskiy

106

Engineering Formulas for Calculating Friction  
on a Permeable Surface in a Turbulent Gas Stream,  
by V. D. Sovershenyy.

RUSSIAN, per. Inzh.-Fls. Zhurnal, Vol 12, No 4,  
1967, pp 538-539.

Dept of Navy/APL/JHU T-2131

Sci/Phys  
May 68

358,191

102  
Multicomponent Turbulent Boundary Layer on  
Chemically Active Surfaces, by V.I. Loversheny  
17 No.  
RUSSIAN, per, Izvestiya AN SSSR, Mekhanika  
Zhidkosti i Gaza, No 1, 1960, pp 47-55.  
AIR/PID/n-23-1001-68

sci/physics  
apr 69

380,038

*V I Loversheny*

45  
Antigenic Differences Between Cells of a Transplanted Strain of a Human Leukemia Culture (L-26) and Cells of a Concomitant Virus-Resistant Clone Obtained From This Culture, by V. I. Marchenko, G. P. Svetova, et al. Sov. Mikrobiol., Ser. Virusol., 11 (Nov.), no 4, 1967, pp. 491-501.  
M.I.T., X-23-1633-67

100/1000  
10000

377,945

G. P. Svetova

Elliptic Boundary Value Problems for Plane Domains  
with Angles and Discontinuities Reaching the Boundary,  
by J. A. Sovin.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol 187, No 5,  
1969, pp 995-997.

The Am Math Soc  
Vol 10, No 4, July-Aug 1969

J. A. SOVIN

Jan 70

400,078

72

Adaptive Methods of Analog-to-Digital Conversion,  
by A. Sovin'skiy, 9 pp.  
RUSSIAN, per, Avtometriya, No. 4, Novosibirsk,  
1967, pp. 90-97.  
JPRS 64,403

*A. Sovin'skiy*

Sci-Electronics and Electrical  
Engineering  
Feb 68

351,477

Control Method of Determining Temperatures and  
Thermal Fluxes During Grinding, by M. Shatunov,  
V. Sotkin.

ISSUES, per, Izvestiya Vsesoyuznogo  
Zavodov, No 2, 1965, pp 173-180.  
CUBA/No. 7548

V SOKIN

Sci -  
Aug 67

335,808

Study by hydraulic analogy of nose configurations <sup>53</sup>  
in supersonic compressions, by Roland Sovrano.  
1970.  
TR1401, pt. Proceedings of NATO Conference,  
North Atlantic Treaty Organization Advisory  
Group for Aerospace Research and Development,  
No 14 Part 1, 1969, pp 1-19.  
NASA TT P-12,826

*Roland SOVRANO*  
sci/aerospac  
12/70

406,910

Study by Hydraulic Analogy of Wave Configurations  
in Supersonic Compressors, by Roland Sovrano. 98  
SMACR, rpt, Proceedings of AGARD Conference,  
North Atlantic Treaty Organization, Advisory  
Group for Aerospace Research and Development,  
No 94, Part 1, 1969.  
SMACR TT F-12,826

*Roland Sovrano*

Sci-Phys  
Jan 70

14  
The Development of the Cement Industry in  
Poland, by Jan Sowa, 7 pp.  
POLISH, per. Cement-Wapno-Gips, No 12,  
Dec 1966, pp. 326-329.  
JPRS 40740

JAN SOWA

EE-Poland  
Econ  
May 67

325.576

Underground Cavity for Refinery  
Storage of Liquefied Petroleum Gas  
by Al.R.D. Sowards. 6)

~~FRANCE, par, Rev Assoc Franc Techniciens Petrole.~~  
Vol CLXVIII, 1966, pp 9-16.  
Chem Trans 87 No 3095

*Al. R. D. Sowards*

S.I.-Chem  
Mar 67

322, 110

*Stager*  
Contribution to the Study of the Biological Effects  
of Mercury and Silver in Sea Water, by J. Soyer, 38 pp.  
FRENCH, per, Vie Milieu, Vol 14, No 1, 1963,  
pp 1-6.  
AEC-Tr-7277

Dec 71

Investigation of Impurity Absorption of LSP Crystals in  
Vacuum Ultraviolet Spectral Region, by M. I. Shkrovich, 131  
L. M. Snyder, 5 pp.  
RUSSIAN, par. in Abstracts of Sci. Res., No 29, No 3,  
1967, pp 443-445.  
Dept of Navy Tr No 4310/WRL Tr No 1034

Sci - Phys  
Nov 65

394,725

*Snyder, L. M.*

Technologically Unemployed Need Job Insurance. <sup>16</sup>  
by L. Konyakhin and V. Seyfer, 6 pp.  
MOSKOW, per. Sovetskaya Yustitsiya, Moscow.  
No. 29, 1967, pp. 14-15.  
JPRS 45,108

*V. Seyfer*

1967  
Econol.  
April 68

355,701

Isotopic Composition of Hydrogen in Brine in the  
Southern Part of the Siberian Platform, by  
Ye. V. Pinnaker, V. N. Soyfer.  
RUSSIA, per, Izok Ak Nauk SSSR, Vol 179, No6,  
1968, pp. 1452-1455.  
AGI

*V.N. Soyfer*

Jan 69

373-599

*Jorge Soza Egana*  
History of Communist Party of Chile Outlined,  
by Jorge Soza Egana, 12 pp.  
RUSSIAN, per. Latinskaya Amerika, Moscow, No 1,  
Jan-Feb 1972, pp 68-80.  
JPRS 55350

Mar 72

*A. Sozinov*

Increasing Protein Content in Grain, by

A. Sozinov, 5 pp.

RUSSIAN, np. Sel'skaya Zhizn', Moscow, 9 May 1972.

p 2.

JPRS 56137

June 72

G. SOZINOV

New 12-Cylinder Engines From the Yaroslavl' Motor Plant,  
G. Chernyshev, G. Sosinov, 10 pp.

RUSSIAN, rpt.

ASN/RSC/ER-23-940-71

Aug 71

New 12 Cylinder Diesel Engines of the Yaroslavl Engine  
Plant, by G. Chernyshev, G. Sozinov, 12 pp.  
RUSSIAN, rpt. Novye 12 Tsilindrovyye Dvigateli  
Yaroslavlskogo Motornogo Zavoda, 19 40-44.  
Avt 3-9714  
WFO-ET-23-601-71

G. Sozinov

July 71

23

Spacak Calls for Party Reform, Democratization,  
by Josef Spacak, 11 pp.

CZECH. per. Novy Svět, No 7, July 1968, pp 807-  
814.

JPRS 46417

to-Czech

Pol

Sep 68

367,243

*Josef Spacak*

41  
Marxist-Christian Common Action  
Seen Possible, by Father Arnaldo  
Spadaccino, 6 pp.  
SPANISH, newspaper, El Popular,  
17 Feb 68, Montevideo, p. 2.  
JPRS 44,771

LA (Uruguay)  
Political  
March 68

*Father Arnaldo Spadaccino*  
*Father Arnaldo Spadaccino*  
352,904

*G. Spaeth*  
On the Theory of Physical Interaction and Stability, by G. Spaeth. 36 pp.  
GERMAN, book, Zur Theorie der Physikalischen Wechselwirkung und Stabilität, Dec 1969, pp 1-38.  
NASA TT-F-13489

*DTIC 7.1-13489-033*

Aug 71

M. Spaeth

The Effects of Temperature on the Mechano-  
Receptors of the Bony Fish *Leuciscus Rutilus* L.  
A Contribution to Thermoception.

GERMAN, per, Zeitschrift fuer Vergleichende  
Physiologie, Vol 56, 1967, pp 431-462

WTC 72-60393-06C

WTC 72-60393-06C

sept 72

54  
Krelate Discusses Latin American Situation, by  
Luise Spagnoli, 5 pp.  
ITALIAN, per. L'ESPRESSO, 3 Dec 1967, pp 12-13.  
JPRS 43758

LA-Intra American  
Pol  
Jan 68

348,468

3F  
Influence of Forest on the Water Balance of  
Catchments, by I. S. Spak.  
RUSSIAN, bk, Vlijaniye Lesa Na Voznyj Balans  
Vodosborov, 1968, 283 pp.  
\*RIS IT 70-50172

I. S. SPAK

Sci/Ear Sci  
Feb 71

The Vietnam War Seen From Asia, by Paul-Henri  
Spaak.  
FRENCH, per, La Tribune de Geneva, 31 March 1967,  
page X.  
JPRS CSO: NY 13710

J-2023/67

*Paul - Henri Spaak*

Fe-Vietnam  
Pol  
June 67

328,213

Relations between State Budget and Credit Plan  
in the New Management System, by Dr. Jiri  
Danecek and Karel Spacek, 6 pp.

GOVERNMENT USE ONLY

CZECH, per, Finance & over, Vol. 16, No. 10,  
Oct 1966, pp. 593-607.

JPRS CUO 2223

Spacek, KAREL

EE-Czech  
Econ  
Dec 66

324,409

Italian Journal Analysis FCI Congress,  
by Gianfranco Spadaccia, 5 pp.  
ITALIAN, par, L'Ascolano, Vol IV, No 6,  
6 Feb 1966, pp. 4-7.  
JPRS 3513

Gianfranco Spadaccia

WE-Italy  
Pol  
Mar 66

297,001

Edgar Snow Discusses Present Day China, by  
Luise Spagnoli, 9 pp.  
GOVERNMENT USE ONLY  
ITALIAN, np, ~~L'ESPRESSO~~, Rome, 5 Oct 1969,  
p 6.  
JPRS/L 3178

*Luise Spagnoli*

FE-Comm China  
Pol  
Nov 69

395,042

Party Works to Remove Internal Contrasts,  
by Xhafer Spahiu, 25 pp.  
ALBANIAN, par. Hydra e Partise, Tirana,  
Aug 1969, pp 3-20.  
JPRS 49166

*Xhafer Spahiu*

EE-Albania

Pol

Nov 69

395,017

A Comparative Study of Stress Corrosion Cracking;  
and Corrosion Fatigue, by H. Spahn.  
ENGIN, Ser. Angewandte Chem., Vol 20, 1969,  
p. 733-749  
•REF 7792

77

*H. Spahn*  
sci/serials  
acc 69

The Corrosion Fatigue Strength of Corrosion-Resistant Steel Exposed to Sulphurous Acid,  
by H. Spahn, H. Spahnstedt.

76  
SWEDISH, per, Jour. Appl. Mech., Vol 15, No 3,  
1966, pp 174-82.  
QJBI 5875

H. Spahn

Sci - Mechanical, Industrial,  
Civil, and Marine Engineering  
Eqg 66

83

New Stainless and Corrosion Resistant Austenitic  
Steels for Chemical Plant Construction: Mechanical  
Properties and Corrosion Resistance, by H. Spahn.  
GERMAN, proc. Chemis-Ing. Techn., Vol 38, No 4,  
1966, pp 407-417.  
BISI #986

*H. Spahn*

SoI/mst  
June 68

358,472

The Corrosion-Fatigue Strength of Corrosion-Resistant Steel Exposed to Sulphurous Acid, 67  
by H. Spahn, H. Speckhardt.  
SWEDISH, per, ~~Journal~~ Ann., Vol 150, No 3,  
1966, pp 174-222.  
EISI 5205

H. Spahn

319, 326

Sci - Materials  
Feb 67

Contribution to the Anodic Polishing of  
Austenitic Steel, by H. Spahn.  
GERMAN, per, Metalloberfläche, Vol 20,  
No 2, 1966, pp 91-99.  
SSISI NFA/TS 821

104

*H. Spahn*

Sci-MGM  
June 66

300,350

41  
A Comparative Study of Stress Corrosion Cracking  
and Corrosion Fatigue, by M. Spahn and U. Steinboff,  
GERMAN, per. Werkstoffe Korros., Vol 20, No 9, 1969,  
pp 733-749.  
HISI 7792

Sci/Int  
Apr 70

M. Spahn

405,823

*86*  
Rationalizing Chromo Tanning, by H. Spahrman,  
J. Schmid.  
CHEMIE, per, das Labor, Vol 17, No 10, 1966,  
pp 849-855.  
REC-69-16376-110

*H Spahrman*

Sci-Materials  
Feb 70

403,136

Construction in Serbia in 1964, by Radovic 12  
Spale, 13 pp-  
SECRET, per, Insights, No 3, 1965, pp. 46-51.  
JPRS 3612

EE-Yugoslavia  
Econ  
Aug 65

205,774

Air Force and Air Defense, by  
P. Spalinger, 10 pp.  
GERMAN, per, Allgemeine Schweizerische  
Militärzeitschrift, no 8,  
1965.  
DIA LN 300-65

p 15

*P. Spalinger*

BLUR/Kerman/ M1  
Feb 66

294,616

88  
Reconstruction of the Upper Part of the Stack  
of the No. 2 Furnace at Taranto, by G. Spallanzani  
ITALIAN, or, Bull. Tech. MILITARI, No. (261),  
Nov 1968, p. 753-765  
LBI 7380

*G. Spallanzani*  
Sci/ Material  
INV 09

397,332

Works at the New Harbor-Mouth in Yauiden,  
by H. J. Th. Span, 11 pp.  
DUTCI, per, De Ingenieur, Vol LXXVIII, No 38,  
Sept 23, 1966, pp 5211-5216.  
DIA LN-73-67A

43

H. J. Th. Span

Sci-  
May 67

326,191

A Formula for the Response of Electroacoustic  
Transducers and its Relations to Electrical  
Equivalent Circuits, by F. Spandock,  
GERMANY, for, Acustica, Vol XVII, 1966, pp  
34-42.      PSOP/117066  
Dept of Navy/NSL No 1070

Sci-Electr • Elec Mag  
Jan 67

318,159

A Formula for the Response Factor of Electro-  
acoustic Transducers and its Relations to  
Electrical Equivalent Circuits, by F. Blandock,  
USNA, Acoustics, Vol XVII, 1966, pp 34-42.  
Dept of Nav/NAI tr-1076

COPYRIGHTED

Sci-Electronics & Acoust Engng

Dec 66

315,519

Handling of Material in Motion, by  
Vaclav Spanhel, 6 pp.  
GOVERNMENT USE ONLY  
CZECH, par, Technický Týdeník, No 47, 1967.  
ASB/PSTC/HT-23-375-70

VACLAV SPANHEL

Sci/Mat  
Feb 71

Air Conditioning of Rooms by Electricity, by  
D. Spanke.  
GSMAS, per, Elektricitet, Vol 19, Feb 1969,  
pp 31-37.  
CROB/O.A. Trans 394

85

*D Spanke*

Sci-Elec  
Dec 69

398,173

Air Conditioning Using Heat Pumps and Peltier  
Cells, by D. Spinks.  
GEMMEL, per, Elektronische Int, Vol 26, No 6,  
1968, pp 220-227.  
SAC

66  
85

*D. Spinks*

Sci-Mech  
Dec 69

398,200